

ABSTRACT OF DD 221377

L5 ANSWER 56 OF 89 CA COPYRIGHT 2002 ACS
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 TI Device for surface spraying of fluidized bed granulate products
 IN Moerl, Lothar; Kuenne, Hans Joachim; Krell, Lothar; Kliefoth, Joerg;
 Schmidt, Eberhard; Meinhard, Ruediger; Geitner, Frank; Sieg, Norbert;
 Uhlig, Norbert; Voelker, Cornelia
 PA VEB Waschmittelwerk, Ger. Dem. Rep.
 SO Ger. (East), 4 pp.
 CODEN: GEXXA8

DT Patent
 LA German
 IC ICM B01J002-16
 ICS B01J008-24
 CC 46-1 (Surface Active Agents and Detergents)
 Section cross-reference(s): 47

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AB An app. for the conversion of **powders** to **granulated** products such as **detergents** is described. The app. has an inlet at the top for adding a powd. compn., inlets at the top, metal, and bottom for adding **fluidizing** gas, an inlet near the middle for spraying a liq. compn. onto a powd. compn., a means in the middle for dispersing solid material, an outlet at the top for gas, and an outlet at the bottom for the **granulated** product. The app. prevents **agglomeration** during the manuf. of **granulated** products. Thus, the **granulation** app. was used to convert a powd. mixt. (900 kg/h) of Na₅P₃O₁₀, Na₂CO₃, Na₂SO₄, Na **perborate**, Na disilicate, Mg **silicate**, and CM-cellulose to a **granulated** product (**particle** size 0.8 mm, bulk d. 600 kg/m²) by spraying the **powder** with a liq. compn. (140 kg/h) contg. dodecylbenzenesulfonate, **fatty acid**, and nonionic surfactant.

ST **granulation** fluidization app **detergent**; **powder** fluidization **granulation** app; **agglomeration** prevention **granulation powder**

IT Granulating apparatus
 (for powders, by spraying with liq. in fluidized state)

IT **Detergents**
 (manuf. of **granulated**, from **powders**, app. for)

IT Agglomeration
 (prevention of, in app. for granulation of powder with liq.)

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